



FIG.1A

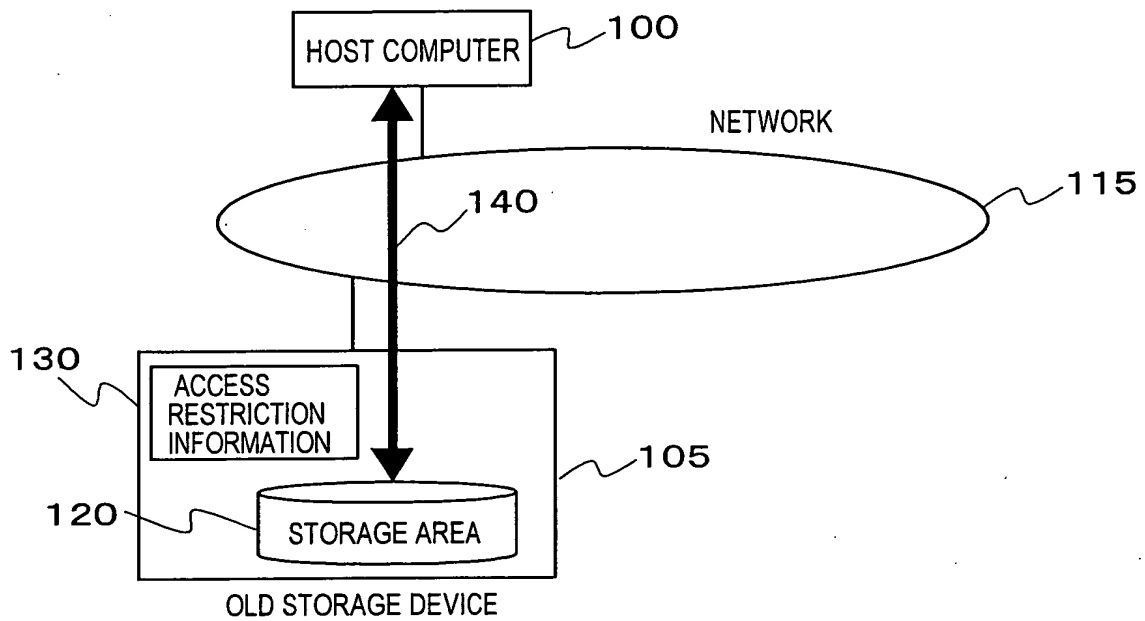


FIG.1B

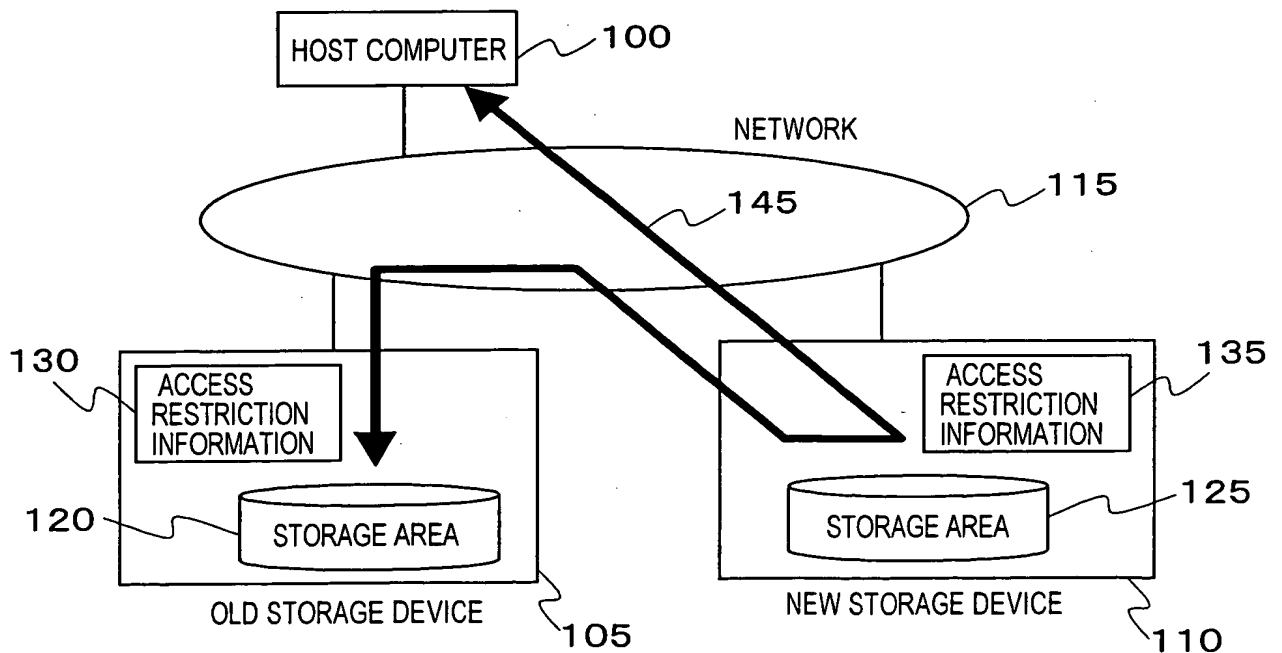
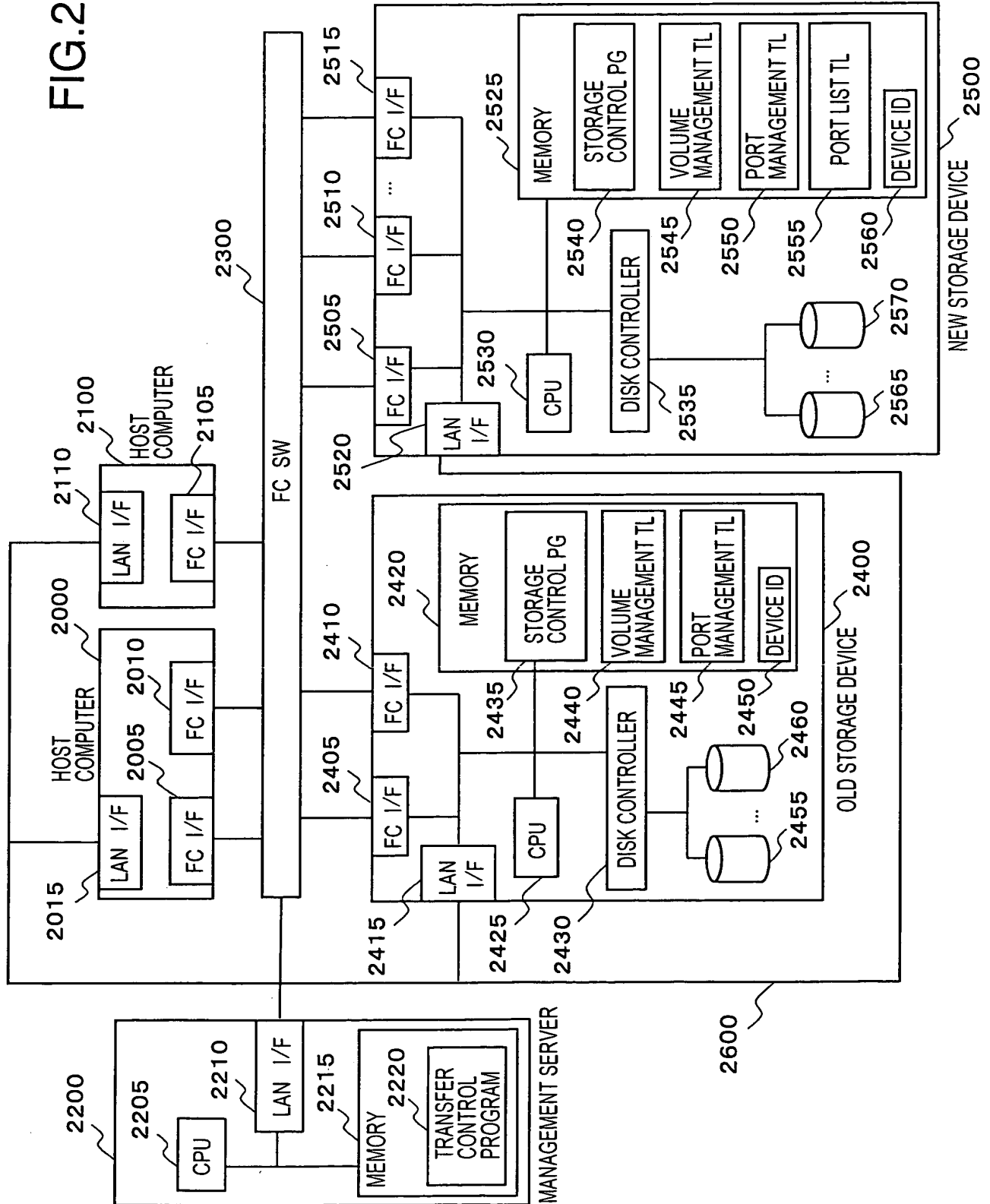


FIG. 2





3/14

FIG.3

VOLUME MANAGEMENT TL 2440

244005		244010	
VOLUME NUMBER		VOLUME ID	
1		Vol .1	
2		Vol .2	
3		Vol .3	
4		Vol .4	
:		:	

FIG.4

PORT MANAGEMENT TL 2445

244505		244510		244515		244520		244525	
PORT WWN		LUN		VOLUME ID		ACCESS RESTRICTION		ACCESS PERMISSION WWN	
S1 a	0		Vol .1		YES		H1 a		
	1		Vol .2		YES		H1 b, H2		
S1b	0		Vol .3		YES		H1 a, H2		
	1		Vol .1		YES		H1 b		
	2		Vol .4		YES		H1 a, H2		
:		:		:		:		:	



4/14

## FIG.5

PORT LIST TL 2555

PORT WWN	TYPE	TARGET PORT PATH DEFINITION
S2a	TARGET	YES
S2b	TARGET	YES
S2c	TARGET	NO
S2d	TARGET	NO
S2e	INITIATOR	—
S2f	INITIATOR	—
S2g	INITIATOR	—
:	:	:



FIG.6

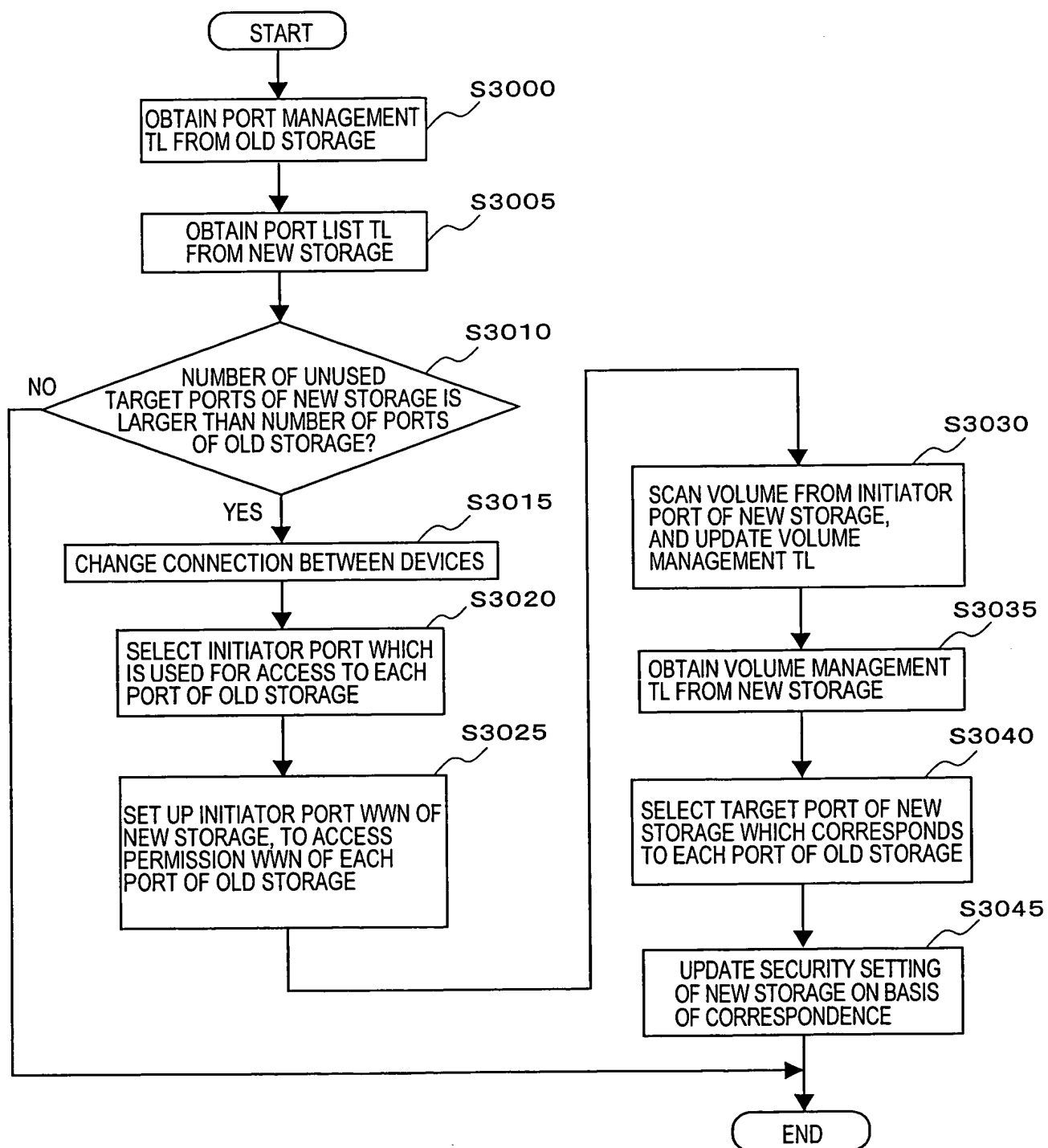
VOLUME MANAGEMENT TL 2545

254505	254510	254515	254520	254525	254530	254535	254540
VOLUME NUMBER	VOLUME ID	TYPE	INITIATOR PORT WWN	EXTERNAL PORT WWN	EXTERNAL CONNECTION LUN	EXTERNAL DEVICE ID	EXTERNAL VOLUME ID
1	Vol.1'	INTERNAL	-	-	-	-	-
:	:	:	:	:	:	:	:
N	Vol.N'	INTERNAL	-	-	-	-	-
N+1	Vol. N+1'	EXTERNAL	S2e	S1a	0	Storage1	Vol.1
			S2f	S1b	1		
N+2	Vol.N+2'	EXTERNAL	S2e	S1a	1	Storage1	Vol.2
N+3	Vol.N+3'	EXTERNAL	S2f	S1b	0	Storage1	Vol.3
N+4	Vol.N+4'	EXTERNAL	S2f	S1b	2	Storage1	Vol.4
:	:	:	:	:	:	:	:



6/14

FIG.7





7/14

FIG.8

CONNECTION CORRESPONDENCE TL 575

4000 INITIATOR PORT WWN	4005 EXTERNAL PORT WWN	4010 EXTERNAL CONNECTION LUN	4015 EXTERNAL DEVICE ID	4020 EXTERNAL VOLUME ID
S2e	S1a	0	Storage1	Vol.1
	S1a	1	Storage1	Vol.2
S2f	S1b	0	Storage 1	Vol.3
	S1b	1	Storage 1	Vol.1
	S1b	2	Storage 1	Vol.4
:	:	:	:	:

FIG.9

PORT MANAGEMENT TL 2550

244505 PORT WWN	244510 LUN	244515 VOLUME ID	244520 ACCESS RESTRICTION	244525 ACCESS PERMISSION WWN
:	:	:	:	:
S2c	0	Vol.N+1'		H1 a
	1	Vol.N+2'		H1 b, H2
S2d	0	Vol.N+3'		H1 a, H2
	1	Vol.N+1'		H1 b
	2	Vol.N+4'		H1 a, H2
:	:	:	:	:



8/14

FIG.10

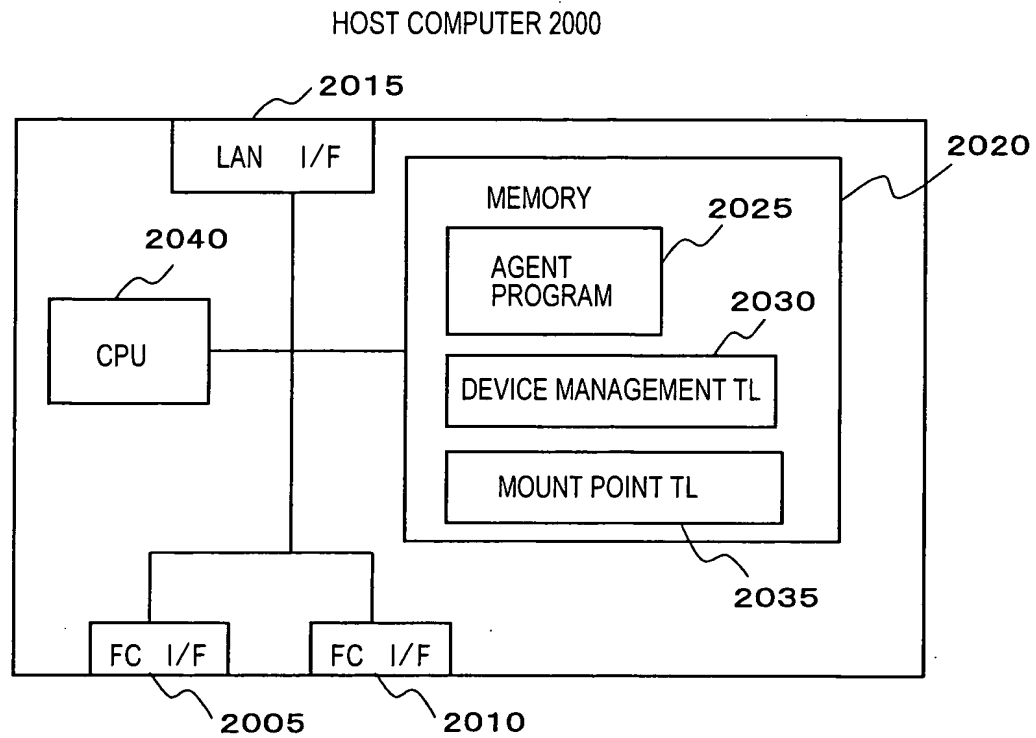


FIG.11

DEVICE MANAGEMENT TL 2030

203005 HOST WWN	203010 STORAGE WWN	203015 LUN	203020 DEVICE FILE
H1a	S1a	0	/dev/dsk/c0t0d0
	S1b	0	/dev/dsk/c0t1d0
H1b	S1a	1	/dev/dsk/c1t0d1
	S1b	1	/dev/dsk/c1t1d1
:	:	:	:





9/14

FIG.12

MOUNT POINT TL 2035

203505		203510	
DEVICE FILE		MOUNT POINT	
/dev /dsk /c0t0d0		/usr /bin	
/dev /dsk /c0t1d0		/usr /share	
:		:	

FIG.13

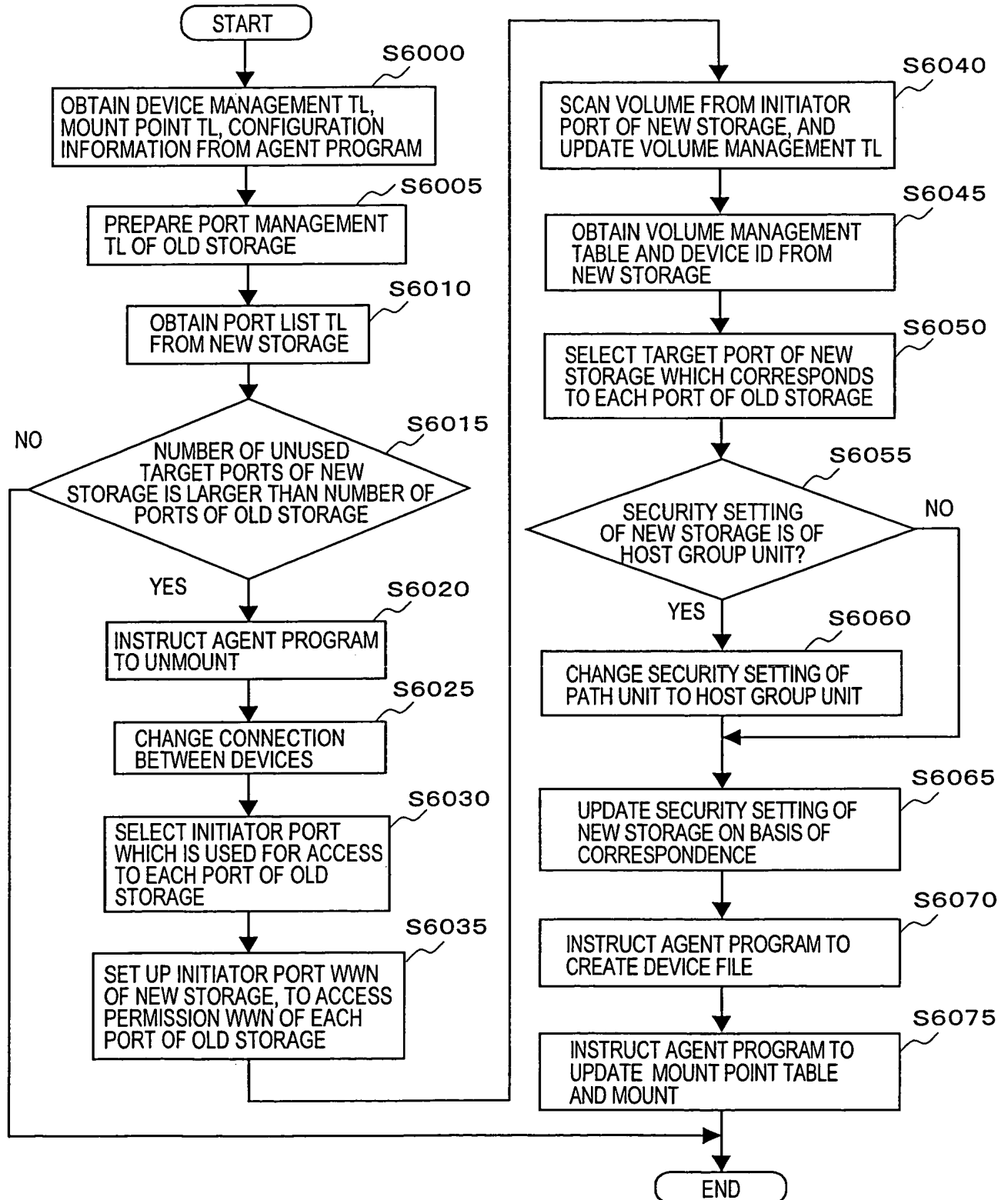
PORT MANAGEMENT TL 2550

244505		244525		244520		244510		244515	
PORT WWN		ACCESS PERMISSION WWN		ACCESS RESTRICTION		LUN		VOLUME ID	
S2a		Hx		YES		0		Vol.X	
		Hy		YES		0		Vol.Y	
:		:		:		:		:	
S2c		H1a		YES		0		Vol.N+1'	
		H1b, H2		YES		1		Vol.N+2'	
S2d		H1a, H2		YES		0		Vol.N+3'	
						2		Vol.N+4'	
		H1b		YES		1		Vol.N+1'	
:		:		:		:		:	



10/14

FIG.14





11/14

FIG.15

CONFIGURATION INFORMATION TL 5000

500005 HOST WWN	500010 STORAGE WWN	500015 LUN	500020 DEVICE ID	500025 VOLUME ID
H1a	S1a	0	Storage1	Vol .1
	S1b	0	Storage1	Vol .3
	S1b	2	Storage1	Vol .4
H1b	S1a	1	Storage1	Vol .2
	S1b	1	Storage1	Vol .1
H2	S1a	1	Storage1	Vol .2
	S1b	0	Storage1	Vol .3
	S1b	2	Storage1	Vol .4
:	:	:	:	:

FIG.16A

S1a

7000 LUN	7005 H1a	7010 H1b	7015 H2
0	○		
1		○	○

FIG.16B

S1b

7020 LUN	7025 H1a	7030 H1b	7035 H2
0	○		○
1		○	
2	○		○

FIG.17

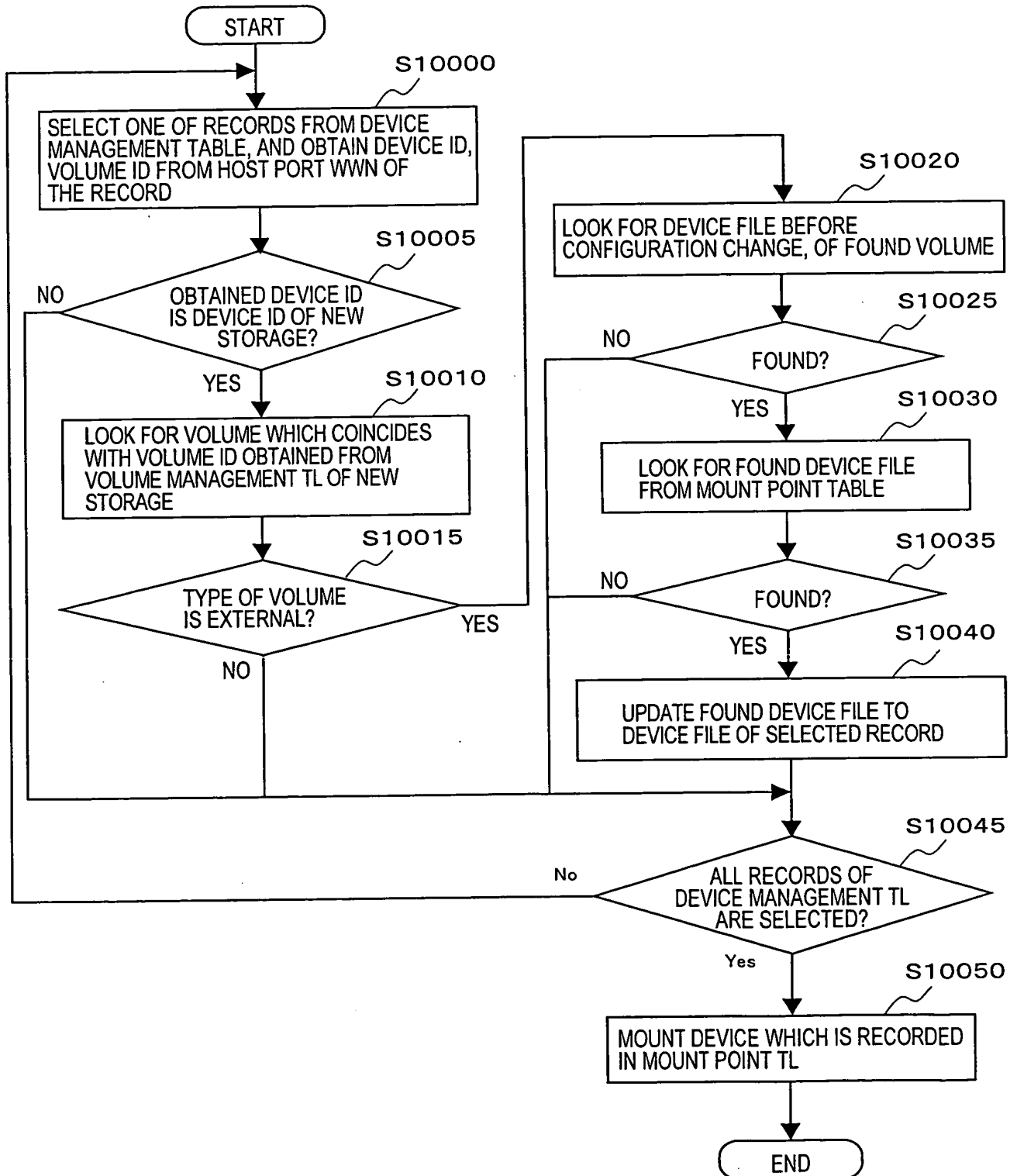


FIG.18

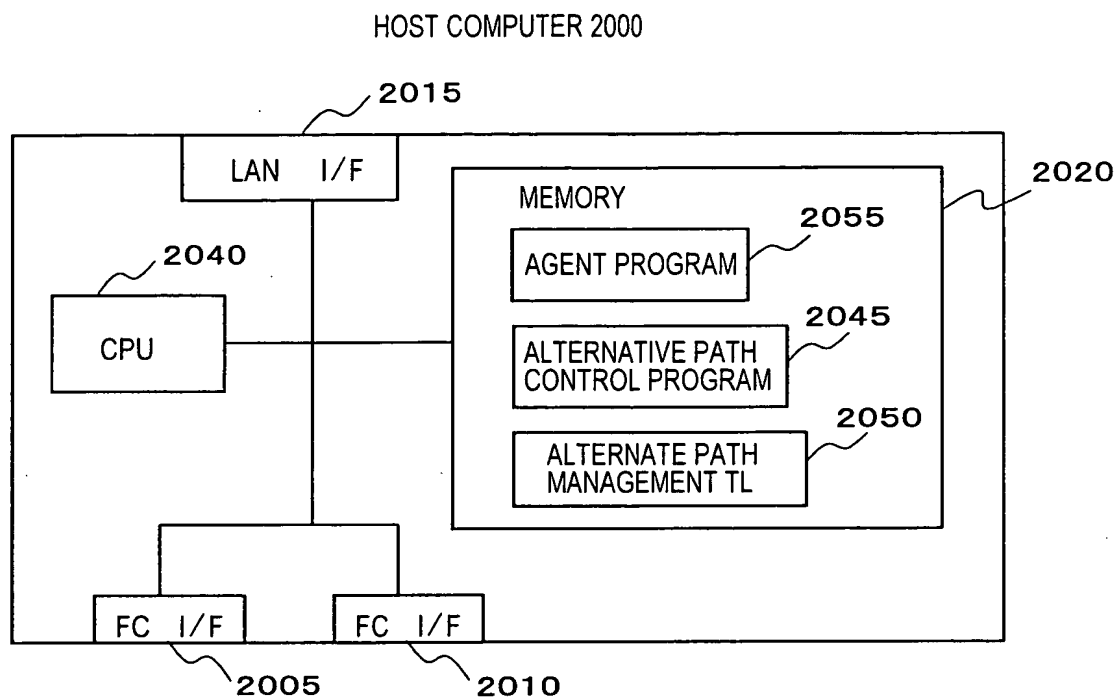


FIG.19

ALTERNATE PATH MANAGEMENT TL 2050

PATH NUMBER	HOST WWN	STORAGE WWN	LUN	ALTERNATIVE PATH NUMBER
1	H1a	S1a	0	2
2	H1b	S1b	1	1
:	:	:	:	:

FIG.20

